p 16

G. R. S. IX-5]

Previous references.

File No. 1 J/1893

191

(Municipal)

Serial Nos. 1—14

Later references.

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 1—14.

Part B for October 1893

SUBJECT.

Genl: Fischers misstatements in a memo submitted by him to Ct M. Station Municipality

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Indexed

W D 88—GPB—50,000—24-7-16

Bangalore water Supply

No. 4 file

The Hebbal Project

Genl Fischer's memorandum

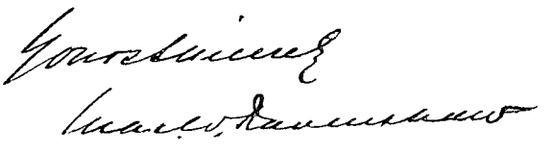
in a memo subd by him

to the C & M. Station

Municipality

Rec'd 1-93

My dear Dewan



The Evening Mail

SATURDAY, JULY 29, 1893.

GENERAL FISCHER AND THE WATER-SUPPLY.

Considered remarks by General Fischer on Major Grant's report on the Water-Supply of the Station. He proposed that as it has been proved to this Board from the frequent surplussing at Hebbal during the past 5 years and from the reliable data of the Nagpore Water-Works for 20 years that an abundance of good water can be stored at Hebbal and supplied in the most economical manner possible for the use of the whole Station as originally proposed for this Municipality by General Fischer, the Board resolved to intimate to the Government of India, through the British Resident that they all were fully prepared to carry out this project in the manner indicated in their letter of the 19th March 1888 No 615, M D and solicit the Supreme Government will be pleased to sanction the project and the work shall be put in hand at once.

Mr, Olleff said he would prefer to put on one side what General Fischer had said Most of his remarks were what were already known He would certainly support him in this way. The Commissioners should, as he suggests, show that they have a mind of their own, and are able to make a choice, even if they choose a bad scheme, it would be better than none at all He would say, choose Hebbal boldly as being the best and cheapest He fully supported it. But he did not think it feasible for the Board to carry out any project themselves. He did not think it proper. There would be many difficulties to contend with There would first be the matter of money, then there would be negotiations with a foreign Government and the trouble of arranging compensation, obtaining the services of experienced Engineers, etc, etc. They could not do without the Government of India He then proposed the following resolution —

"That this Municipality after consideration of the many different schemes that have been brought before it, request the British Resident to intimate to the Government of India that the Hebbal Water-Supply commends itself as the best and cheapest, and therefore solicit that it be sanctioned as early as possible for the Civil and Military Station"

Mr. Olleff continued —If the Government of India rejected the Hebbal project and took some other, then they would say that the Bangalore Commissioners had the courage of their convictions Hebbal was the nearest and the cheapest project, although this idea had always been the Hebbal cum Sankey scheme. All the Engineers who had examined Hebbal had commended it, and it would stand the Station. General Fischer who, he was sure, knew as much as any Engineer on the subject, had said that there was an abundance of water which could be conveniently let into the Station. Mr Olleff would second him if he would amend his proposed resolution.

Mr. Campbell said that all this had been proposed in May last. Why not only press it again?

General Fischer having accepted Mr. Olleff's amended resolution, he seconded it and it was put to the vote. There were seven for and three against it *Carried*. The dissentients were Captain Evans, Mr. Aga Abdoola and Mr. Krishnasawmy Mudliar.

THE PROPOSED GOSHA HOSPITAL

Read letter dated 19th July 1893, from Miss A. M Smith, of the Church of England Zenana Mission, forwarding plans of the Hospital for Gosha Women, proposed to be erected on the vacant ground near the Cantonment Railway Station.

It was resolved to make the grant of the land for one year from 1st January 1894 under condition 3 of the Assistant Resident's letter regarding the matter, *viz*, that the work be finished by December 1894.

The meeting rose at 2 30 p. m.

MAJOR GRANT'S REPORT ON THE WATER-SUPPLY.

Memo by General Fischer R.E.

As this document will soon come before the Board for consideration, I beg to submit some remarks on it so far as the Hebbal project is concerned, about which there are so many inaccuracies in this paper. I should be failing in my duty to the rate and tax payers if I allowed them to pass without comment——I. Major Grant states a lift of 200 ft. is required to get the water up from Hebbal and that a level of 3,075 or 3,080 ft. above M S.L. commands the whole Station ! Now this tank when full is at 2,923, M. S. L. and if the water is raised 200 ft. it would be delivered at 3,123 or about 45 ft. higher than is at all necessary by his own data ; if this tank were raised and improved on the lines I proposed, and Col. Bowen adopted the lift required is only 120ft at the outside, so he is about 80ft. wrong in the lift, he assures the public it is absolutely necessary to have. Major Grant gives no map with his report and very few levels so I have used those I determined 5 years ago and which have been accepted by all concerned in this matter without doubt or hesitation and have shown here how utterly inaccurate he is in this very simple matter.

II. As regards the size of main and its length from Hebbal, Major Grant does not agree with data of Messrs. Gwynne and Co, as to the former; and he is altogether wrong as regards the latter ; the length of main from Hebbal is under 8,000ft. I am pretty well sure, but as no map is given it is impossible to see what direction he intends to go. As regards compensation, the Amildar, who gave us full details, asked for Rs. 1,71,000 only. Col. Bowen puts it down at 2 lacs and I know for certain that more should not be allowed, for I have been informed on very good authority, that the 4, 5 or 7 lacs Major Grant enters—it is impossible even to guess which figure he would be pleased to adopt in the end—is 3 or 4 times as much as was given for the best irrigated land under the Cauvery River in this very Province, but we are entitled to have a Punchayet on this subject and this I intend to demand as the Board are bound in the interests of the public, to have this very fully enquired into.

III. As regards the run-off Major Grant in para 17 of this Report quotes Mr. Binnie's paper on the Nagpore water-works in which Mr. Binnie says he made his reservoir to contain 257 M. C. ft. and could have made it large enough to hold 305 M.C., ft from a catchment of only 6 6 square miles, his average rainfall being 37.1 inches and the maximum fall about 53 inches. The experience of 20 years has fully confirmed this as Major Grant informed us at his lecture by reading to us a letter from the ExEngineer at Nagpore, in which it was also stated that the Maligal valley was 25 per cent steeper for run-off than the Nagpore one. Now from these data it is quite clear Mr, Binnie could have stored upwards of 44¼ M.C. ft. from every square mile of his catchment and this requires that 5 to 6 of his average rain-fal should run-off and agrees very well with the data in common use amongst all Engineers further Mr. Binnie shows that after the ground has been well saturated by continuous heavy rain upwards of 98 per cent of the fal runs off the ground, which again agrees with the common rules. With these facts and data before him Major Grant declares it is impossible to expect more than 14 M. C. ft. per square mile in the Hebbal basin, where the average rainfall is much the same, the maximum fall here being upwards of 56 inches and the general incline of the basin 150 per cent steeper than at Nagpore *nothing could possibly have proved here entirely correct. I have been all along about the very favourable run-off of this Hebbal basin.* On the Nagpore data it is quite evident we can store in any ordinary year from its 14 square miles, over 600 c.M. ft and if the tank is made as I originally proposed to hold about 900 M. C. ft. so as to hold as much water as possible by taking full advantage of all seasons of continuous heavy rain a most abundant store of water can be most easily secured here and in the most economical manner possible.

For a combined scheme the whole quantity required is only 200 m.g. Major Grant does not hesitate to ridicule the authority of the Mysore Engineers, *who have never made a single valuable observation as regards run-off*, but yet prepared the Hebbal project on the very lines I had proposed for the Durbar, even to including the channel from the north at the same time assuring the Government of India "confidentially" the tank would never receive one-half the quantity of water I had calculated upon, because in this marvellous Province of theirs *the run-off increases as the rain-fall increases*? on such authority as this, I say, Major Grant has condemned the Hebbal project for a Town-supply, at the same time declaring that with its wretched run-off it will make "an admirable Irrigation Project" and heaping absurdity to absurdity proposing to take the larger part of this bad water-supply down to his lowest dam in the Maligal valley, filter it there, and then pump it up again some 450 ft. for the use of this Station at the most reckless and ruinous expense ever dreamt of: he is very careful to omit all reference to the filtering arrangements I have proposed to make at Hebbal itself in the same manner as Mr. Binnie adopted so successfully at Nagpore 20 years ago. As no map accompanies his report it is impossible to see if this lowest dam in the Maligal valley will not receive the drainage of the Pettah and sewage of the Mysore Distillery; in this most important matter Major Grant affords us no information whatever.

(III) He is equally wrong in his reference to my note of 1892 on Mr. Larminie's calculations of the surplussing at Hebbal. I showed very clearly that by omitting the velocity of approach, which he had ample means of observing, Mr. Larminie was fully 80 per cent wrong in all his calculations, but taking this into account it confirmed all I had said 5 years ago and is now fully confirmed by the Nagpore data which Major Grant has produced. In the same manner he suppresses all reference to the fact I had reported to the Board, that during the recent years of drought the Hebbal tank alone had abundance of water in it, and the Rachenhulli and the other tanks in that direction had mostly failed or were dry; yet he does not scruple to recommend that any of these tanks, even at double the cost would be a better Water-Supply for the rate and tax prayers of this Station than Hebbal, though he must have been well aware all the time that Col. Bowen had prepared this very project for the Durbar, *on my lines*, for he sat on the committee which proposed to sell us the pipes got out for the Hebbal project, by the Dewan, in December last and which I rejected as they had been found to be worthless.

As regards losses by evaporation, leakage &c, Major Grant is quite incorrect, Mr. Binnie shews by very careful observations that in a dry season of 242 days at Nagpore he lost about 105 m. c. ft. or 4 ft. in depth only and this agrees very well with the observations at the Vehar lake near Bombay: here in Mysore the *wet* season averages 240 days, there are no hot winds to speak of, the temperature is 20 degrees less than it is at Nagpore and the dew fall in the cold weather is extremely heavy, yet Major Grant apparently considers these losses would be far more than in such a climate as the Central Provinces! As he had before him very reliable data which had been accepted, after very long discussion, and recorded amongst the Proceedings of the C. E. Institute, London, and has failed to make any satisfactory use of them, this Board, I submit, has no ground to place any reliance or confidence in any of the statements contained in his Report. Even the H. P. of his engines is incorrectly calculated according to Molesworth and the practice of the Cornish Engineers. At Maligal it will be necessary to have a 750 H. P. engine according to the above authorities and such an engine working at the end of a main; 7 miles in length will cause such a vibration that the joints will be always giving way, as was found to be the case in Hyderabad in Scinde.

X The Mysore Engineers never prepared the Hebbal Project in any form for adoption by the Durbar for the Supply of the Pettah. [illegible]

→ Col. Bowen never prepared the Hebbal Project for the Durbar.

→ I never ordered these pipes for the Hebbal Project. They were ordered for Laying from Sankey's Lower Sluices to the Pettah & from the Dam below Sankey's to Dharmambudhi. The latter work has been carried out. I never agreed to sell these pipes to anyone. Indeed I refused to sell them when asked at the Residency Conference regarding the Temporary Hebbal Scheme I have not with me the notes of that Conference - but these notes & the Gentlemen present at the Conference will bear me out, I [illegible] my Statement that I refused to part with the pipes because I wanted to use them for the Pettah water Supply - [illegible] before the Conference no one had asked me if I would part with them & to no one had I said that I wished to part with them. [illegible]

Major Grant is even more wrong in stating it will require [illegible] to [illegible] this to the Scatcumens of Hebbal. The contractor entering the channel from the north entering in 12 square miles of drainage area as prepared by Colonel Bowen was offered here on contract for about 3 lacs of Rupees. The channel to be 100ft. wide and 5ft. deep and of this Major Grant must have been aware as he was in constant communication with Mr. Scaldwell who prepared the estimate and showed the plans &c., for the whole project. I have already shown that by using 2 engines no service reservoir will be required, the 5 lacs he provides for this item is wholly unnecessary. Rs 75,000 will be about the price for the 2 engines, pumps &c., Major Grant fails to pay any proper attention to the Akurvetty River as a source of supply beyond condemning the Hesseragutta project on very insufficient grounds. Hebbal can be very easily supplemented from this river at a cost of between 4 and 5 lacs of rupees, omitting compensation and distribution for the present, but after the manner in which I have been treated in this matter I regret to say I will not bring forward the project as it would be simply adopted, as the Hebbal one has been, by the Durbar, using my papers to which Col. Bowen attained access on the distinct understanding he would make no unfair use of them, and in this very questionable proceeding he has been supported by all the authorities of this Province even to giving me the lie direct in the matter! I have now proved very clearly from the data which Major Grant himself furnishes, that an abundance of water can be stored at Hebbal for the use of the whole population here of 200,000 people at a cost of about 5 lacs of rupees, omitting for the present compensation and distribution as both these require much more consideration—this first cost then is only 2½ Rupees per head and cannot possibly exceed Rs. 6 per head under anything like good management. Maintenance and interest may amount to Rs. 60,000 a year at the outside. The quantity of water to be delivered in one year is 912,500,000 gallons and this would then be supplied at 1 anna per 1,000 gallons; the cost at Ulsoor is about 6 annas per 1,000 gallons and during the late hot weather water was selling here at the rate of 1 Rupee per 50 gallons or 20 rupees per 1,000 gallons, and all this ruinous, reckless waste and loss in the value of the land and house property here has been incurred on no grounds whatever as Major Grant's own data most clearly prove at the same time the health and welfare of all Her Majesty's subjects and troops have been wantonly sacrificed by the misrepresentations "confidentially" conveyed to the Supreme Government from the Durbar through the British Resident on which they withheld the aid promised in their letter of the 19th March 1888 No. 615 M. D. under Lord Dufferin's Government. More than five years have been thrown away in this most wanton, wicked manner in utter disregard of all public interests in order to secure any original project for the sole use of the Durbar as I am quite prepared to prove before any court of enquiry. I have now once more proved to the Board that everything I had said before in reference to the Hebbal project was perfectly correct and reliable. I have shewn that neither Major Grant or any other of the *experts* have been able to establish a single fact against me, and their reports and suggestions are not worthy of the slightest reliance or confidence. On every point, levels, size and length of main, run-off, surplussing, quotations from existing records not a single trustworthy statement is put before us. We are even asked to convey Hebbal water down 400ft to be filtered there in order that the rate and tax-payers should have to pay for pumping it up again 450ft for their use and benefit. Having done my duty faithfully in every respect to the people who elected me to represent them on this Board, I now request this paper may be read out publicly at our next ordinary meeting so that it may be published [illegible] all may

mpos on the
t any of the crude pro
time to time for no other
cure my project at Hebbal
the Durbar, the Dewan
had had this proj t
f in anticipation of the
eing deluded into rejecting
ave described in this pap

Jno. F. Fisc
General

believe the whole place
ith an abundance of water
Akravetty River for about
ees, but I will not bring forward the
ject to be dealt with as my Hebbal projec
been.

J. F.

I made - and could prove by many —
~~I do~~ such admission: the whole
allegation is unfounded

Encl 1-93-92

GOVERNMENT OF MYSORE

5th Augt 93

My dear Col Campbell

I send you the Enclosed just received from the Resident. I would like to send a reply with a statements of facts from Mr Hutchin and Scaldwell in so far as they may be able to speak from their personal knowledge; also anything that you may be able to write

on the subject - I myself
will also write a very brief
statement of what I know.
Please send me the office
files on the subject when
you have done with them -
Perhaps we may send the
whole ~~thing~~ files on to the Resident
to see, but this I will decide
hereafter -

Yours truly

charges against Genl Scott, and I should say it would have been better if he had written Col. Sedgwick to inform Gen Scott that he must produce proof in support of the assertions contained in his letter, or be considered to do so he was prepared to do so he would be removed from the Command for having false charges.

In fact I think it was Col. Sedgwick's duty to have refused to allow such a letter to be sent to the Municipal Council unless authorized by Govt to have such a duty for a Govt to have to refute charges brought in an underhand. I think it is quite time that Gen Scott was made aware that it is necessary to take strong on the subject. I am glad to hear that

(5)

March 1-93 - 3 Pembroke
Lower

My dear Swan

I have received your
kind letter enclosing
Mr Cadman's letter
& am very sorry to
hear that the Presidency
Council is unlikely to
be definitely settled

Brunel 1-93-14

My dear Mr Hutchins

Please read the enclosed papers and send letter to me in accordance with Jean & Mr Beardsell's notes on Jean Fischer matter & also the file & papers relating to the subject. Please do your best to-night

Yours truly

Cecil Lee

GOVERNMENT OF MYSORE

Bangalore
7th August 1893.

Dear Mr McHutchin,

With reference to your D.O. of the 6th instant regarding General Fischer's letter in the "Evening Mail", I enclose draft of my report on the several projects I investigated for the improvement of the Water-Supply of the City, from which it will be seen that General Fischer's statement with respect to Colonel Bowen having investigated the Hebbal Project with View of utilizing it for the water-supply of the City, and the Dunbar having purchased pipes for use in Connection with such project, are quite unfounded, and in Elucidation of this assertion I would offer the following remarks on the several matters mentioned in the Article under reference

In latter part of para III, it is stated "on the authority of the Mysore Engineers who have never made a single reliable observation as regards run-off, but yet prepared the Hebbal project on the very lines I had proposed for the Dunbar, even to including the Channel from the North, at the same time assuring the Government of India "confidentially" the tank would never receive one-half the quantity of water I had calculated upon because in this marvellous Province of theirs the run-off decreases as the rain-fall increases."
From para VI of my draft report it will be seen that the investigation of the Hebbal Project was simply made with the view of ascertaining the approximate cost of such project, for comparison

with the Cost of pipe mains in connection with the Hessaraghatta project which, in August 1892, the Dewan had intimated was in his opinion the only reliable source of supply (Vide last para of draft report) and with regard to which I had prepared and submitted certain data.

2nd. In first part of para III General Fischer states that Major Grant recommended "the Rachenahalli tank and the Mer tanks in that direction" in preference to Hebbal "though he must have been well aware all the time that Colonel Bowen had prepared this very project for the Dunbar, on my lines, for he sat on the Committee which proposed to sell us the pipes for out for the Hebbal project by the Dewan in

December last and which I reject-ed as they had been found to be useless"

As Explained already no project for water supply of the city from Hebbal was ever prepared, all that was done was a very cursory investigation of which, I believe, Major Grant was not aware; At any rate I can assert that his being on the Committee at the Residency on the 5th December 1892 did not afford him any information on the matter, as no such subject was ever mentioned at that Committee. The pipes mentioned were purchased for a pipe main from the low level Sluice of Sankey's tank to the Bangalore District Office, levels in connection with which were taken in February 1892 (Vide para I of draft report).

With regard to the statement that the pipes were proposed to be sold to the Municipality and that General Fischer rejected them as they had been found to be useless, I can only state that the Dewan offered to lend the sound pipes for the temporary scheme, and that I am correct is, I think, borne out the fact that I intimated at the meeting the numbers of sound pipes available and roughly estimated the further quantity that would have to be purchased.

I am surprised to learn that General Fischer rejected the pipes, as I was quite unaware that he had ever seen them, except at a distance. With respect to their worthlessness it is only necessa

I never
he was offer
all given
and pipes.
refused to sell
g. The offer
being them was
ade I believe
the Residency
nference regard
pering water
ply scheme
m Hebbal
them a there
claimed we
must sell
n as we
nted them
the purpose
which they
e ordered,
uch to
meet dam
e Sankey
Dharmambudhi
ite from memory
the notes of
Residency Conference
(which are not with
papers) with
plain what
took place.
3

here to state that all the pipes were tested up to 200 lbs pressure in England and that cracked ones which were cut in the store were also tested to 200 lbs pressure and that 2ale per cwt. of sound pipes now at the Division Office is 13 as. per cwt, less than the lowest tenders received in India for similar pipes

3d In latter portion of para III General Fischer states that "the Contract for cutting the Channel from the North to bring in 12 Sq. miles of drainage area as prepared by Colonel Bowen was offered here on Contract for about 3 Lacs of Rupees" "The Channel to be 100 feet wide and 5 ft. deep and of this Major Grant must have well been aware as he was in

in Constant Communication with Mr. Leadwell who prepared the Estimate and showed the plans &c for the whole project" As no project was ever prepared, tenders could not have been possibly called for in connection with it and Major Grant certainly never received any information from me with regard to the investigation of the Project mentioned in para 1 of my letter, and the only person, so far as I am aware of, besides my Office Establishment, who saw any plans in connection with such investigation is Mr Hepburn who frequently called at my Office with the avowed view of obtaining Contracts and who, on the last occasion he came to my Office, saw the plans prepared in connection with

the investigation of the Approxi-
mate Cost of the Habbal Project,
full details of which are given
in para VI of draft of Report.
I was working at the plan when
Mr. Stephenson came to my office
and in reply to a question of
his, gave him the information
which will be found in para
VI of draft of my Report, think
-ing it better to do this than
to allow him to leave with a
mistaken notion of the object
of preparing such plans.

4th. With reference to the
last para of General Fischer's
letter, I enclose Copy of Chief
Engineers No. 1836 of 4th April
1892 with the Dewan's Memo-
randum dated 2nd April 1892
which together with the draft
of my Report on the several

projects investigated will clearly show how utterly General Fischer is mistaken in making the assertions referred referred to above

Yours truly

(S) R. J. Scaldwell

9-8-93

Encl 1-93-6

My dear Campbell

I have just received Scaldwell's reply to my D. O on the subject of General Fischers letter, and I herewith send the file to you for disposal. I know little or nothing of the circumstances myself, except that the levels observers ordered by the Dewan & Colonel Bowen were required to test the feasability of adding to the catchment of Saukey's Tank & as I never heard any reason by Colonel Bowen for his

Kolar
10th Sept/93

June 1-93.7

My dear Dewar

With reference to your
D. O dated 5 Sept/93 I
forward herewith D. O. from
Mr McHutcheon and Mr
Scaldwell together with the
file relating to the Kolhar
water supply scheme.
I have little to add to the
remarks of Mr. Scaldwell
except that the records of the

were he given the power
of his officers on Kolar
water-contract he would
clear existing of the cases
prosecutions & shortly as
of he could be turned out
Municipal Commr the
work be stopped

Yours sincerely
Sir. Dewar

9-8-93

It is now clear that
Lord Fisher's Hobart
scheme was never thoroughly
& thoroughly dispassionately
& calmly considered
by the Admiralty, this is
further proved by the fact
that you ordered the investigation
of the Hampshire scheme, and
that there is no indication
whatever on the part of the
Board of Admiralty that Lord Fisher's
scheme is dead & the Hampshire scheme
not at all suitable
I cannot help thinking that
it is a mistake to take the
trouble to deny Lord Fisher's
mis-statements. They have since
been denied and can
only have been taken
for what they were worth
& punishment for any
is due to the deception which
this object was [illegible]
and cause disappointment

Barcelona
24 Aug

Barcelona 1-93

My dear Duncan

I have just received
a letter from our friend in the
Queen Regent's 12th Regt
for which action we must thank
admiral. It seems to me
that the Captain has clearly
been himself upon the
whole subject
Colonel Fischer in his letter

The authors are thus
under a new obligation
of adding their humblest

Jno Bracey
Jno. Campbell

"

Truth Stranger than fiction.

A correspondent wires regarding that interminable subject the Bangalore Water Supply projects. "I can now tell you on the very best authority that the Dewan of Mysore admits that he had the Hebbal Scheme prepared for himself by Colonel Bowen in the hope that the Resident and others would be able to get the Viceroy to reject it."

(By telegram.)

Bangalore Water Supply 1-93-9

Explanatory Memo of File No 2 dated 1-93-9

relating to various Proposals Considered by the Durbar for the Water Supply of the Pettah.—

1/. Dewan's Memo dated 2d April 12. (Paper No 1) — In this the Dewan suggested for investigation in the D.P.W a double distribution, a "lower" one from the Dharmambudhi and a "higher" one from the Sluice of Sankey's. Regarding the "higher" he noted that nothing could be done till the Government of India decided regarding the future of Sankey's but regarding the "lower" he said there was nothing to prevent its immediate execution. With this object he suggested that the

Dharmambudhi supply
should be increased
in two ways namely,
(1) by throwing[x] into it
the leakage from Sankey's
and (2) by increasing the
Catchment of Dharmam-
-budhi

2) Chief Engineer's letter
dated 4 April 12 to Executive
Engineer Bangalore (Paper No. 2.)
forwarded the above memo
of the Dewan and
called for projects
to conduct Sankey's
leakage into the
Dharmambudhi and
to increase catchment of
the latter

3) Dewan's DPW memo
dated 20 April 12 (Paper No. 3)
In this the Dewan said
that the British Govern-
-ment were investigating
the Hagadi scheme and
had practically abandoned

Rachenhally

[x] This has been since effected by an Ice main.

Bachenally and That therefore it behoved the Durbar to lose no time in investigating Suitable Schemes for the Pettai and be directed to immediate investigation of the feasibility of a big tank in the North of Bangalore to contain enough for a two years Supply to the Pettai. He Suggested Amritahally as the probable site for such a tank and sent a tracing to explain how the water from such a tank could be drawn so as to Supplement that from Sankeys the Dewan Suggested a Reconnoissance to settle the above points.

4) Col. Bowrie's letter to the Dewan dated 27 April 92 (Paper No. 4).

In this Col. Bowrie reported

the results of the reconnoissance
He said the proposed
tank was impossible
near Aurithally but
wished to have certain
lines of levels taken to
settle the question whether
the supply of Petta by
gravitation was at all
possible On the same
day (27th April 92) the
Dewan returned this note
and connected papers to
Col Bowen to enable
him, to go on with the
proposed further investigation

Note. Col. Bowen went
on leave on and
had not left any
notes on the subject
to Mr. Mc Alpin (vide
Colles note dated 26th July
1892 on Paper No 4

5) That Col. Bowen
did in the matter of
the further investigation
proposed

proposed by him in his
Note of 27th April 1892
can be gathered from
Mr. Scaldwells report
dated 27 July 1892 (Paper
No 5). From this it
appears that on 11th May
1892 Col. Bowen inspected
the Hurithally Valley (&
it's head and abandoned
it as being too low; on
the following day he
inspected the Hebbal
Valley from Kodigehally
tank (& it Narasimhapur
tank and directed Contours
of the latter tank at 3032·5
to be taken and lines of
Catchment Channel
starting at that level to
be Surveyed on both sides
of the Valley.

Mr Scaldwell accordingly
made these Surveys in
due course

[Note about the end
of August or the beginning

3 September 1811

Scaldwell had a personal interview with the Dewan at Bangalore and at such interview submitted rough notes of the levels &c he had taken in the course of discussing the various proposals for the Water Supply of the Pettah, the feasibility of Supplying the Pettah from Hebbal was mentioned The Dewan expressed his Opinion That Hesaryatta Seemed to him the best project for the Pettah, and as regards Hebbal he said That he had always Thought it insufficient but that he would like to have an approximate idea of the cost of Hebbal in order to

Satisfy

Satisfy himself that it was not only insufficient as he always thought but was also not so cheap as had been represented. The Diwan finally observed that the only objection to Hessarghatta was the long Iron Mains required, but that this had to be faced, as no other Satisfactory scheme seemed feasible.

It was as the result of this interview with Mr. Scaldwell that the Diwan wrote (in the early part of September, at Bangalore) the first part of a memo directing the preparation of Hessarghatta Project and this memo was afterwards completed and issued by him the 8th October 1812. Vide Paper No 8]

6) Mr Scaldwell's

Report to Chief Engineer,
Col. Mc Neil Campbell, dated
24 September 1892 (Paper No 6).
In this Mr. Scaldwell
described the various
projects for the Water
Supply of the Pettah Of
these No V was The
Narasimhapur Project
investigated in accordance
with Col. Bourne's personal
orders of 12th May 1892,
and No VI was the Hebbal
Project regarding the
probable cost of which
the Diwan had asked
Mr. Scaldwell to give
him a rough idea
[Note. An explanation
of how the Hebbal
project came to be
included in this Report
Mr. Scaldwell on the
28 October 1892 stated
as follows in a marginal
note on Paper No 5 in file
No 3:—" The Diwan

This was by memo of 20 April 1892 already inform'd of.

Report dated 24 Sept 92 is meant.

"Dewan directed that
"officially the investigation
"of the possibility of increasing
"the catchment area of
Sankey's reservoir and
"in this being found
"impracticable, a project
"for a Subsidiary
"Supply (Narasimhapur
"tank improvement)
"was investigated which
"proved in lieu of little use
"(this report and plans
"submitted). Plans in
"connection with the latter
"project were shown to
"the Dewan and the
"several projects, as also
"the Godbal Scheme and
"proposals with regard to the
"Hessargatta project, were
"discussed in the presence
"of Messrs Ricketts, Madhava
"Rao, Shujaat Ali Khan and
"Srinivasa Charlu. The
"Dewan intimated that
"he considered the

"Nessarpatta project was
"the only one that could
"be relied on, but
"Should he would like
"to have an idea of
"the approximate cost
"of raising the bund
"of Hebbal tank & compare
"it with cost of line of
"pipes from Nessarpatta
"to the City, and with
"view to furnishing this
"information plans submitted
"with this office report
"were prepared and
"cost of raising bund
"was intimated in Report
"in which also the
"feasibility of increasing
"the catchment area was
"mentioned".]

× i.e Paper No 6 - Report dated 24th Sept 92.

7) Col McNeill Campbell's Note to the Dewan, dated 26 October 92 (Paper No 7) - With this Col Campbell Submitted

Submitted to the Diwan
Mr Scaldwells report
of 24 September 1892
and rejected all the
projects therein described
as insufficient and
suggested Hessarghatta as
the only one which
promised any chance
of success.

8) Upon this the Diwan
issued his memo dated
31st October 1892 (Paper No 8)
giving final instructions
for the preparation of
the Hessarghatta project
upon certain definite
lines

9) In support of the
idea of the feasibility
of adding largely to
Sankey catchment
(which formed the subject
of the Diwan's memo
dated 20 April 1892.
Paper No 3) Mr Standish

Lee submitted to the Dewan a memo dated 25th November 1892 (Paper No. 9) explaining, with quotations from Col. Sankey's reports, how a large area of catchment could be added to Sankey's Reservoir

10). On 26th November 1892 the Dewan forwarded the above memo by Mr. Standish Lee to the D.P.W. for investigation, with certain remarks. (Paper No. 10).

11). To this Col. Campbell replied that it was not possible to increase Sankey catchment in the way proposed (Paper No. 11).

12). Mr. Standish

12) Mr. McClelland also stated that although there were a few acres which could be added to get the area was so small and the ground so rocky that it was never considered worth adding, that Mr. Scaldwell again took levels under Col. Bowen's orders and came to the same conclusion as before (Paper No 12)

Dewan's Note:

The above is a correct narrative of the entire action of the Durbar and its Officers in regard to ~~the~~ alternative proposals for the water Supply of the Petta. ~~The~~ It shows conclusively that the Durbar never intended to Supply the Petta from the ~~Petta~~ Hebbal tank, and never ~~paper~~ investigated or prepared such a project. Long after Col Bowen went on leave I asked Mr Scaldwell

& give me a rough idea
of the Cost of any Hebbal
Project, with the avowed
object of Comparing the
Same with the Cost of the
Hessarghatta Project, and
thereby of obtaining a
further argument in
favor of Hessarghatta -
Neither I nor Col. Bowen
ever regarded Hebbal
as a Sufficient Scheme
in the Pettah - Our opinions
regarding it have always
been those stated in
my letter No. of

& the Resident and
Col Bowens' note which
formed an Enclosure
to it -

"The statement that
Col. Bowen prepared
any ~~Modified~~ Hebbal Project
for the water Supply of the Pettah
or that the Durbar Entertained
any idea of preparing or adopting
any Hebbal Project is wholly
without any foundation in fact."
12 Sept 93 Krishnaderiar

12

Numb 1-93-10

My dear Mr Thornbrough Kelly

I have attempted to deal with this matter, as it is one within my personal knowledge and something in writing may be expected from me — The files go to you today by parcel post You will perhaps send them & the files (also any other papers with Sir G Grant) to Col. Campbell with any addl. observations you may yourself may wish to make — Or perhaps you may overlook the draft reply which Col Campbell will prepare before its despatch — The preface shd be both telling & mild! Col Campbell knows well how to word it —

Yrs Very Sincerely

Kirkpatrick

12 Sept 93

Encl: 1/93-1

D.P.W. Memo

forwarded to Col McD Campbell through the Hierarchies Devan

General Fischer's allegations in regard to the appropriation of his Herbal Project by the Durbar.

1). The papers came up to me in a confused mass. I have had to arrange them in different files. These files are Numbered from 1 to 5.

2) - File No. 4 is the one which has now to be disposed of by a reply to the Residency DO of 4 August 1893. I would like Col Campbell to send this reply at an early date on the general lines which I indicate below.

3) It may be well in the first place to tell the Resident that the Durbar ~~Considers the~~ wd Consider it rather humiliating

to have to vindicate its conduct
at the very late stage of the proceedings
of maligning in which General
Fischer & the Evening Mail
have been allowed to
indulge hitherto with such impunity
Nearly a year ago I complained
to the Resident of this maligning
(Vide D.O. of 31 Oct. 92 & 5 Nov 92
Papers 11 & 15 on file No. 3). The
Resident (at that time) apparently took no
action in the matter - Again
on 17 May 93 I had occasion
to bring to the Resident's notice
the highly improper & unfounded
utterances of the Evening Mail
in the same matter (See file No. 5).
This led to some mild action
by the Resident which was intimated
to the Durbar in D.O. of 31 May '93
Now that Col. Grant is assailed
(tho' in less virulent terms than
Col. Bowen had been) the Durbar
are asked for information
& reports General Fischer's misstatements

This information we must now supply, but in doing so there may be ways of preface refer in mild & thoroughly inoffensive language to ~~that~~ the Sentiments I have expressed in the para as to also to the Sentiments in Col Campbells' Dis. of 6th & 10th August 93 (Papers 4 & 6 in file No 4) in which I generally Concur —

4). Now to the facts. All the information we have on the Subject is Contained in file No. 2, of which I have drawn up an ~~Index~~ Explanatory Memo — Paper 11 in file No 4 — This memo will I hope give the Resident all the information he wants. ~~We~~ Mr Mr Hutchins Dis of 9 August & Mr Sealdwells Dis of 7 August (Papers 7 & 8 in file No 4) may also be sent to the Resident as also the Newspaper Extract (No 2 in same file) on the margin of which

+ with my marginal note.

I have made certain
remarks - ~~It~~ It may
perhaps be an advantage
if the whole of the files ——— or at least
in Segment be sent to the No 2
Resident for inspection
& return when no longer
required - Therefore

As regards the facts it is only
necessary to say, that
the "Conclusive information,"
which Col Henderson wishes
to Obtain, "on which to refute
General Fischer's misstatements"
will be found in File No 2
relating to the various proposals
Considered by the Darbar for
the water Supply of the Petta,
that the Dewan has drawn
up an Explanatory memo.
regarding the Contents of this file
and has further made certain
~~Re~~ remarks after the more

important mis-statements
in General Fischer's Memo., that
these papers together with the
Scaldwells' & that McHutchison's
D.D 9/7 and 9th August-93
would, it is hoped, complete
the information the Resident
Wd like to have on the Subject
&c &c &c →

. Campbell will
move ~~that the~~ add
the further explanation
he may consider
ecessary.

St. Thomas' Mount.
12 Sept 93.

Yr obedient Servt
Devan/

(14)

My dear Mr. Thornburgh letter
I have corrected the error
pointed out — The rest "
week ; but will answer
The files were so

Yours very truly
[illegible]

Bangalore 1-93-1

GOVERNMENT OF MYSORE

23/9

My dear Sir,

I received the enclosure from Col Campbell last night - in re Lent Fasting misstatements in the native newspaper question -

I thank as requested Col Campbell all the files may be with the Resident.

Yours &c
A P Thornburgh

Bangalore
20th Sept 1893

Encl 1-93-13

Dear Mr Thomson Esq

I forward herewith a
docket relating to the Revenue
on Sea Faring Vessels
about the Hubbel Report.
I think the whole files should
better be sent to Mr the
Resident can see them with
his letter back.
The Steam Ship Master
Mentioned which he saw Letter

Enclosed, I send him memorandum of observations I do not like to make the Corrections myself as his signature is attached.

There mistakes are

1st Against Lord Lord & Lord Tenterden Mem. Page 12 folio 4 & his criticism "Can" instead of cannot

2nd In his note at the end of explanatory Memo Page No 11. folio No 4 he

has written to notify the letter instead of the letter

Yours truly

J. Mr. Cornelius

P.S. I return the Memo of Mr Cornelius

(16)

Do.

THE RESIDENCY MYSORE

/11/ Bangalore.

October 7th 1893

Received 10/93

My dear Dewan

The Resident received on the 28th ult. Col Mc Neil Campbell's Special letter No. 4205/806 dated 25th idem regarding the misstatements made by Gen: Fischer in respect to the action of the Durbar and Col. B the matter of the Hebbal water project

Col. Henderson's object in writing to the Dewan was not that the Durbar should defend itself against the statements made by Gen Fischer as Col. Campbell erroneously imagines but that as the municipality had placed on record and forwarded to the Resident Gen Fischer's memo he might be placed in position to put the matter in a proper light & perhaps call upon them to explain the

from their records. Col. Henderson was and is quite satisfied that Gen Fischer statements were incorrect and he only wished to have sufficient facts before him to refute them authoritatively. Such a refutation if made at the time, would have had a good effect but as it was Col Henderson has no means to supply him with the requisite information. Col. Henderson considers that it is unnecessary now to revive forgotten controversy. +

I have therefore the pleasure to return with many thanks the files which accompanied Col. Campbell's official letter above quoted

Yours sincerely

H.V. Cobb
Asst Secy

Dispatched
Acknowledging

To
Lt T R A. Thurston Chetwode
Offg Deputy